

Kitchen Chemistry

With an adult, try these or other science projects you may find.

Simple science experiments can be created from items found in our kitchens.

You will be able to find additional science experiments on a variety of websites.

Baking Soda & Vinegar Volcano

Use baking soda and vinegar to create an awesome chemical reaction! Watch as it rapidly fizzes over the container and make sure you've got some towels ready to clean up.

Ingredients

Vinegar, Baking Soda, Food coloring if desired.

Create a volcano with play dough or salt dough around a pop bottle.



1. Place some baking soda in your container. (make sure it is not baking powder.)
2. Pour in some vinegar. A chemical reaction will take place between the soda and vinegar.

Invisible Ink Message

- Write your secret message using juice from an apple, orange or lemon, on a white piece of paper.
- As the "ink" dries, it will disappear.
- When the message is dry and has disappeared, hold the paper over a hot light bulb.
- As the juice heats, it will turn brown, revealing the hidden message.



Rubber Chicken Bones



If you soak chicken bones in vinegar (the thinner bones work best), the vinegar will react with the calcium in the bones and weaken them so that they will become soft and rubbery, as if they had come from a rubber chicken. It is the [calcium](#) in your bones that makes them hard and strong. As you age, you may deplete the calcium faster than you replace it. If too much calcium is lost from your bones, they may become brittle and susceptible to breaking. Exercising and eating a diet that includes calcium-rich foods can help prevent this from happening.

Slime

Here is a simple recipe for slime.

2/3 C. Elmer's white glue

1/4 c. water 2—3 c. shaving cream

1/5 tablespoons of contact lens solution (Must have Boric Acid in it)

Add glue, water and baking soda in a bowl and mix thoroughly. Add food coloring. Add contact lens solution. Mix again.

